

# SVENSK STANDARD

## SS-EN ISO 11073-10472:2012



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### **Hälsa- och sjukvårdsinformatik – Kommunikation med personlig utrustning för hälsovården – Del 10472: Produkttyp – Medicineringsmonitor (ISO 11073-10472:2012)**

### **Health Informatics – Personal health device communication – Part 10472: Device specialization – Medication monitor (ISO 11073-10472:2012)**

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**Förhållandet till övriga delar under samma huvudtitel - Utdrag ur Förord i  
ISO 11073-10472:2012/  
Relations to other parts under the same general title - Extract from the Foreword of  
ISO 11073-10472:2012**

ISO/IEEE 11073 consists of the following parts, under the general title *Health informatics — Personal health device communication* (text in parentheses gives a variant of subtitle):

- Part 10101: *(Point-of-care medical device communication) Nomenclature*
- Part 10201: *(Point-of-care medical device communication) Domain information model*
- Part 10404: *Device specialization — Pulse oximeter*
- Part 10407: *Device specialization — Blood pressure monitor*
- Part 10408: *Device specialization — Thermometer*
- Part 10415: *Device specialization — Weighing scale*
- Part 10417: *Device specialization — Glucose meter*
- Part 10420: *Device specialization — Body composition analyzer*
- Part 10421: *Device specialization — Peak expiratory flow monitor (peak flow)*
- Part 10471: *Device specialization — Independent living activity hub*
- Part 10472: *Device specialization — Medication monitor*
- Part 20101: *(Point-of-care medical device communication) Application profiles — Base standard*
- Part 20601: *Application profile — Optimized exchange protocol*
- Part 30200: *(Point-of-care medical device communication) Transport profile — Cable connected*
- Part 30300: *(Point-of-care medical device communication) Transport profile — Infrared wireless*
- Part 30400: *(Point-of-care medical device communication) Interface profile — Cabled Ethernet*
- Part 90101: *(Point-of-care medical device communication) Analytical instruments — Point-of-care test*
- Part 91064: *(Standard communication protocol) Computer-assisted electrocardiography*
- Part 92001: *(Medical waveform format) — Encoding rules*

EUROPEAN STANDARD

**EN ISO 11073-10472**

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2012

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ICS 35.240.80

English Version

**Health Informatics - Personal health device communication -  
Part 10472: Device specialization - Medication monitor (ISO  
11073-10472:2012)**

Informatique de santé - Communication entre dispositifs de  
santé personnels - Partie 10472: Spécialisation des  
dispositifs - Moniteur de surveillance de médication (ISO  
11073-10472:2012)

Medizinische Informatik - Kommunikation von Geräten für  
die persönliche Gesundheit - Teil 10472:  
Gerätespezifikation - Medikamentenmonitoring (ISO 11073-  
10472:2012)

This European Standard was approved by CEN on 20 October 2012.

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**SS-EN ISO 11073-10472:2012 (E)**

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## **Foreword**

This document (EN ISO 11073-10472:2012) has been prepared by Technical Committee ISO/TC 215 "Health informatics" in collaboration with Technical Committee CEN/TC 251 "Health informatics" the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2013, and conflicting national standards shall be withdrawn at the latest by May 2013.

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### **Endorsement notice**

The text of ISO 11073-10472:2012 has been approved by CEN as a EN ISO 11073-10472:2012 without any modification.

## Introduction

This introduction is not part of IEEE Std 11073-10472-2012, Health Informatics—Personal health device communication—Part 10472: Device specialization—Medication monitor.

ISO/IEEE 11073 standards enable communication between medical devices and external computer systems. Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of the communication between medication monitoring devices and managers (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology and information models. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting ambiguity in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for medication monitors. In this context, medication monitors are defined as devices that have the ability to determine and communicate (to a manager) measures of a user's adherence to a medication regime.

# Health informatics — Personal health device communication —

Part 10472:

## Device specialization — Medication monitor

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## 1 Overview

### 1.1 Scope

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of the communication between medication monitoring devices and managers (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology and information models. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting ambiguity in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for medication monitors. In this context, medication monitors are defined as devices that have the ability to determine and communicate (to a manager) measures of a user’s adherence to a medication regime.